

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

- B¹
1. (Currently Amended) A method for managing access to a signal representative of an event of a service provider, said method comprising:
 - (a) receiving said signal in a smart card, said signal being scrambled using a scrambling key
 - (b) receiving, in said smart card, data representative of a first seed value;
[[characterized in that]]
 - (c) generating said scrambling key using said first seed value received in said smart card and a second seed value, said second seed value being permanently stored in said smart card; and
 - (d) descrambling, in said smart card, said signal using said generated scrambling key to provide a descrambled signal.
 2. (Previously Presented) The method of Claim 1 wherein said first and second seed values are points on a Euclidean plane.
 3. (Previously Presented) The method of Claim 2 wherein the step of generating said scrambling key comprises calculating the Y-intercept of a line formed on said Euclidean plane by said first and second seed values.
 4. (Previously Presented) The method of Claim 3 wherein said smart card has a card body having a plurality of terminals arranged on a surface of said card body in accordance with one of ISO 7816 and PCMICA card standards.
 5. (Currently Amended) A system for managing access between a service provider and a device having a smart card coupled thereto, said device performing the steps of:
 - (a) receiving from the service provider a signal representative of an event, said signal being scrambled using a scrambling key;

(b) receiving from the service provider data representative of a first seed value, said first seed value being selected from a Euclidean plane;
[[characterized in that]]

B1 (c) coupling said scrambled signal and said first seed value, both received from the service provider, to said smart card, said smart card having a means for access control processing; said access control processing means comprising means for generating said scrambling key by calculating the Y-intercept of a line on said Euclidean plane by said first seed value and a second seed value which is permanently stored in said smart card and means for descrambling, within said smart card, said signal using said generated scrambling key to generate a descrambled signal; and

(d) receiving from said smart card said descrambled signal.

6. (Previously Presented) The system of Claim 5 wherein the device is a set-top box.

7. (Previously Presented) The system of Claim 5 wherein the device is a digital television.
